



BADGER STATE Smoke Signals



Serving Amateur Radio in Wisconsin

Published Monthly Since 1969

Vol. 17 No. 9 - 201st Consecutive Monthly Issue - Baraboo, Wis. - September 1986



FROM
BARABOO
TO
MILWAUKEE
VIA
JANESVILLE
AND
CHICAGO..
AND
AMATEUR
RADIO RODE
ALONG. THE
STORY
BEGINS ON
PAGE SIX!



Badger State Smoke Signals supports: The American Radio Relay League (ARRL) - The Wisconsin Nets Association (WNA) - The Wisconsin Association of Repeaters (WAR) - The Amateur Radio News Service (ARNS) - The Courage Handi-Ham System - The Morse Telegraph Club - GEARVAK! (The 'f' is silent)

Badger State Smoke SignalsOfficers:

Ken Ebnetter, K9EN, Chairman
 Jim Romelfanger, K9ZZ, Editor
 Jim Decker, W8YUQT, Treasurer

Send editorial material and
 exchange papers to:

Jim Romelfanger, K9ZZ, Editor
 301 1/2 7th St.
 Baraboo, Wisconsin 53913

Subscriptions:

1 yr. \$ 7.50
 2 yr. 14.00
 3 yr. 20.00

to:

Badger State Smoke Signals
 Jim Decker, W8YUQT, Treasurer
 P.O. Box 337
 Baraboo, Wisconsin 53913-0337

Send address corrections and
 changes to:

Kenneth A. Ebnetter, K9EN
 822 Wauona Trail
 Portage, Wisconsin 53901

Permission is granted to re-
 print items from BSSS provid-
 ing credit is given to the
 author and Badger State Smoke
 Signals.

SWAPFESTS AND OTHER SOCIAL EVENTS

September 5, 6 & 7. ARRL National Convention, San Diego. See QST for details.

W9DXCC -- The Northern Illinois DX Association once again invites all Amateurs with an interest in DX to attend the 34th annual W9DXCC DX Convention on Saturday, September 13, 1986. The location will again be at the Holiday Inn, 1250 Roosevelt Road, Glen Ellyn, IL. W9DXCC is the only DX convention in the midwest. This event has established a reputation over the past 33 years as one of the leading DX events in the nation. The program, banquet, and hospitality suites provide an enjoyable day devoted to DX. REGISTRATION: One registration includes the program and banquet. The registration is \$21.50, postmarked by September 6, 1986 and \$25.00 thereafter. Banquet registration for the non-ham spouse/guest is only \$16.50. Sent registration to: Howard Huntington, K9KM, 65 South Burr Oak Drive, Lake Zurich, IL 60047.

***** THE 1986 WNA PICNIC *****
 (Including a meeting and elections)

Saturday, September 20, 1986 - Shawano County Park - On the north shore of Shawano Lake, four miles north of Highway 29 on Shawano County HHH. Talkin on 145.35 (transmit down 600 KHz). CAMPING FACILITIES AVAILABLE - \$6.00 FOR ELECTRICITY - ROLLER SKATING - SWIMMING - BOATING - REFRESHMENTS FURNISHED - POP AND BEER - AWARDS - FOOD AVAILABLE ON THE GROUNDS. The picnic

festivities will get underway about 12 noon, with the WNA meeting and elections starting at 1 p.m. If there are enough players available, the traditional softball game will be held! THE USUAL BARGAIN ADMISSION RATES:

Singles: \$3.00 - Couples: \$4.00 - Families: \$5.00

This is a fun time and a fund raiser for the WNA.. Please make plans now to attend!

-EVERYONE IS WELCOME!-

Sunday October 12, 1986 -- The Kettle Moraine Radio Amateurs (KMRA) Swapfest in Waukesha, WI., at the Waukesha County Exposition Center (Hwys. FT & J). Amateur Radio & Computer Dealers, Food & Beverages, Prizes, Amateur Radio Examinations and Free Parking. \$2.50 in advance, or \$3.00 at the door. Tables, \$3.00 per four-foot table. Register early. we always sell out the tables on the main floor before the swapfest begins. Door registration tables are on the upper level. KMRA, P.O. Box 411, Waukesha, WI 53187.

October 18-19. ARRL Central Division Convention, St. Charles, ILL.

Minnesota (Richfield) - November 1: The Second Annual "Hamfest Minnesota and Computer Expo", sponsored by the Twin City FM Club, will be held at Richfield High School, 7001 Harriet Ave., S., from 7:30 am to 3:00 pm. Admission is \$3.00 in advance, \$4.00 at the door. Special guest speaker, Wayne Green, W2NSD. Two hour DX seminar, FCC exams, expanded indoor flea market, commercial booths, food, door prizes; ARRL, AMSAT, and computer seminars, and much more. Talk-in on 16/76. For more information or advanced registration, send a self-addressed, stamped envelope to: HAMFEST MINNESOTA AND COMPUTER EXPO, Box 55, Minneapolis, MN 55440.

Rockford Hamfest, Computer Fair and ARRL Illinois State Convention will be held on November 16, 1986, at Rockford, IL. Contact Gary Hilker, K9LJN, 804 Otto Road, Rockford, IL 61111 (815) 654-3282

As a service to our readers, this section of Badger State Smoke Signals is available without charge to list your upcoming Swapfest, Hamfest, dinner, picnic, party or other event of interest to Radio Amateurs in Wisconsin and nearby areas.

Send information on your event to Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. In addition, space is available at attractive rates on our advertising pages, and/or we can include your flyers. For information on rates and requirements for our advertising pages, and/or for including flyers, please contact K9ZZ or K9EN.

CLUB MEETINGS:

Badger Amateur Radio Society
 (W9YT - University of Wisconsin - Madison)

Regular monthly meetings are held at 7:30 PM on the 2nd Wednesday of every month while school is in session, in B314 Electrical Engineering Building.

Central Wisconsin Radio Amateurs, Ltd. (Stevens Point)
 Regular club meetings are held on the second Wednesday of the month.

Eau Claire A.R.C.

The Eau Claire Amateur Radio Club meets every second Tuesday of the month. Hams and guests are welcome.

Four Lakes A.R.C. (Madison WI)

RED CROSS BUILDING, 4860 Sheboygan Ave, Madison, WI., first and third Tuesday each month.

Fox Cities Amateur Radio Club

Regular meetings a 7pm, the third Monday of the month at Roosevelt Jr. High School, 318 E. Brewster St., Appleton, WI 54911. 424-735-6294 for info.

Green Fox Amateur Radio Club

Meetings are held the third Monday of the month at 7:30 p.m. at the Green Lake Town Hall located at the intersection of county highways K and N.

Kettle Moraine Radio Amateurs:

All meetings are held on the SECOND (2nd) Friday of each month.

Manitowoc County Radio Amateurs

MANCORAD meets on the third Wednesday of each month at 7:30 p.m. at Manitowoc Red Cross Bldg, 20th and Washington Streets in Manitowoc WI.

Milwaukee Radio Amateurs Club:

All regular meetings of MRAC scheduled for 1986 at Wauwatosa Savings and Loan Building, 7500 West State Street, will be held on the second Thursday of the month.

Ozaukee Radio Club

Meetings held every second Wednesday at 7:30 p.m. in the Saukville Community Center

Riverland Amateur Radio Club

Regular meetings are held at 7:30 P.M., on the first Wednesday of each month in the Onalaska Community Center in Onalaska, WI.

South Milwaukee Amateur Radio Club

Meetings held at Legion Post 434, Shepard Ave., Oak Creek, on first Wednesday of the month. Auctions held at March and October meetings.

West Allis Radio Amateurs Club

Regular meetings are held on the second Tuesday of each month at St. Francis Savings, 9330 W. Greenfield Ave., at 8:00 P.M.

The Wisconsin Valley Radio Association. (Wausau)

Holds regular monthly meetings on the first Tuesday of the month at 7:30 p.m. The location varies, but information is available on the 146.04/64 repeater in Wausau.

Yellow Thunder Amateur Radio Club:

(Baraboo, WI)

All regular meetings of YTARC are at the Baraboo Civic Center. Meetings start at 7:30 P.M.

The meeting dates for 1986 are: Sep. 15, in room 25, Oct. 14, in room 25, Nov. 12, in room 29, & Dec. 11 in room 29.

Let us know of your club meeting dates, and we will let others know of your meetings and activities. There may be Amateurs in your area interested in joining your

club, or members of other clubs interested in making an interclub visit.

MISCELLANEOUS MISCELLANEOUS MISCELLANEOUS MISCELLANEOUS

Oh what the heck -- items of interest:

Four Lakes Amateur Radio ClubTHE FEEDLINE

Jim Anderson, W9AGH has been appointed to the position of District Emergency Coordinator for South Central Wisconsin. --Congratulations Jim.

If you are looking for an awards directory, look for the revised version of The Radio Amateur Awards Directory of the World. Send \$8.00 to Garry V. Hammond, 5 McLaren Ave., Listowel, Ontario, Canada N4W 3K1

John Offerdahl, KC9XH is the new net controller for the Weather Net on 146.28.88.

Green Fox Amateur Radio Club

(Green Lake)

FOXTALES

Congratulations to John, KA9BIK and his wife, Carole. They became parents of a little girl on August 6th.

Brad, KA9JDE has joined the ranks of Packet Radio with the purchase of a Kantronics KPC-2 tnc.

Rock River Radio ClubNEWSLETTER

KA9FNE and W9IZG attended the Green Lake County Fair on August 2nd. The met with several members of the Green Fox ARC who had a booth set up at the fair

W9IZG reported he "caught" a 10 lb. northern on the Horicon Marsh. Other reports contain a rumor about a tire iron involved in the episode!

Our thanks to the above mentioned clubs and their bulletins for the information presented. Badger State Smoke Signals will be pleased to exchange bulletins and information with your club. Please contact K9ZZ or K9EN.

THE TEST POINT

The following are known locations where Amateur Radio license examinations are scheduled in the Badger State area.

September 20, 1986	Waukesha, WI
September 20, 1986	St. Paul, MN
September 27, 1986	Towah, WI
October 18, 1986	Minneapolis, MN
October 25, 1986	Park Falls, WI
November 1, 1986	Stevens Point, WI
November 15, 1986	Robbinsdale, MN
December 13, 1986	St. Paul, MN
Third Sat. Monthly	Loves Park, IL

General rules for all examinations:

All examinations require filing an FCC Form 610 and advance registration at least 30 days before the exam

date. (Some VECs may permit walkins. Check with sponsor to find out if they allow walkins.)

To register for these examinations, you must first secure a copy of the current FCC Form 610 and fill it out completely (AND CORRECTLY). Get your form from the FCC Field Office, the ARRL or Badger State Smoke Signals. Send a 22¢ SASE if you request one from the ARRL or BSSS. In most cases, forms can also be obtained from the sponsoring group. Remember-- you must file at least 30 days in advance unless otherwise indicated.

ARRL/VEC examinations require a check for \$4.25 payable to "ARRL/VEC".

The FCC now requires applicants to show their original Amateur license to the VEC. As in the past, a copy of your license must be attached to your FCC form 610.

Additional information is given below.

MILWAUKEE VOLUNTEER CORE GROUP - (DEVRY VEC)

September 20, 1986

The MVCG will be giving Amateur Radio exams in the Service Occupation Building in rooms S0208 and S0209 at the Waukesha County Technical Institute on the above dates. Exam fee is \$4.00. Walkins welcome. Free coffee at WCTI only. Exams begin at 9:00 a.m. All exams available in Braille, large type, and on cassette tape for visually impaired. Bring your original Amateur license. If interested, please send a post card with your name, address, phone number, date of test session, and grade of license you wish to achieve, to Syl Janczak, WD9JKZ, 3127A West Madison, Milwaukee WI 53215.

Note: All exams are available in Braille, large type, and on cassette tape for the visually impaired. Exams for shutins by appointment only.

September 27, 1986

Tomah Regional Core Group DeVry VEC, will hold examinations for all level of licenses at 1:00pm at Tomah Veterans Administration Hospital, Tomah, WI

Contact: William E. Bastian, N9BOE
702 Farmer Ave.
Tomah, WI 54660
(608) 372-7293 evenings/weekends

The Flambeau Amateur Radio Club will be sponsoring an Exam session on Saturday October 25 at the city hall in Park Falls Wisconsin. For information contact either:

Tom Korth, KW9H
c/o WMBI Radio
Park Falls, WI 54552
(715) 762-3221

or:

Art Dunham, NC9G
656 S 7th Ave.
Park Falls, WI 54552
(715) 762-4948

Walkins will be permitted as long as materials last. This is an ARRL VEC team and the cost is \$4.25. Payment must be by check made out to ARRL/VEC. Time of test is to be 1 pm

November 1, 1986 Stevens Point, WI

Central Wisconsin Radio Amateurs, Ltd. - (ARRL/VEC)

Contact: Joe Larson N9JW
644 Portage Street
Stevens Point WI 54481

Third Saturday of every month.

Northern Illinois Volunteer Examiners (DeVry VEC). Held at North Suburban Library on North Second Street in Loves Park, IL.

Contact:
Gene Melton, AK9N
124 S. Chicago Ave. #2
Rockford, IL
(815) 229-7249

Minnesota tests - contact information:

Gopher/Minneapolis ARC:	Robbinsdale ARC:
Fred Hird	Neil McMillan
4716 Emerson Ave. S.	11132 97th Place
Minneapolis, MN 55409	Minneapolis, MN 55369
824-7702	(424-6248)

St. Paul ARC:
Jay Bellows
997 Portland Ave.
St. Paul, MN 55104
222-7253 (home) - 291-8015 (work)

This section of Badger State Smoke Signals is available to publicize your Volunteer Examiner Amateur Radio license examination schedules.

Please send us your schedules of dates, times, and locations that you will be conducting examinations and we will include the information here. Be sure to include contact address and any other necessary requirements. Information should be sent to K9EN or K9ZZ at the address shown on page 2.

The MRAC is again offering training classes for all five grades of Amateur Radio licenses. Classes will be held on Wednesday evenings starting on September 10th. Classes are open to all persons, non-members as well as members. Registration forms will be included with HAMATEUR CHATTER. Non-members of MRAC can receive one by mailing a request to the club and including a stamped (22¢) number 10 business envelope.

The Milwaukee Radio Amateurs' Club, Inc.
N50 W16328 Pin Oak Court
Menomonee Falls, WI 53051



YELLOW THUNDER A.R.C.

The August 14th meeting of the Yellow Thunder Amateur Radio Club was called to order in room 29 of the Baraboo Civic Center by President, Art Kleefisch, W9WSS.

The following members were present for the meeting.

Art Kleefisch, W9WSS	Baraboo
Ken Ebnetter, K9EN	Portage
Jim Decker, WB9UQT	Baraboo
Harry Mayland, K9FFT	Baraboo
Steve Schwoegler, WB9RNL	Wisconsin Dells
Harry Westlund, K9EHJ	Baraboo
Jim Romelfanger, K9ZZ	Baraboo

The minutes of the previous meeting were accepted as printed in Smoke Signals. The Treasures report was presented by Jim Decker, WB9UQT, and accepted. The current total balance in all accounts is \$253.87.

Communications and announcements: Ken, K9EN read a few items of interest for Westlink Report and The ARRL Letter.

No Old Business.

New Business: The possibility of a special event station at the Circus World Museum was discussed with no formal action at this time. The idea will be investigated with possible future action taken by the club.

Buck night drawing: The prize of \$4.00 was won by Steve Schwoegler, WB9RNL, who was present to claim his prize.

Future meetings programs were discussed. No program has been set at this time for the September meeting. The October meeting is feature Paul Amend, KA9OBP, with a presentation on traffic handling.

There was no program at the meeting. Members present enjoyed a few eye-ball QSOs, which continued at the Country Kitchen over carrot cake and coffee.

The meeting was adjourned by President Art Kleefisch, W9WSS.

Respectfully submitted, Ken Ebnetter, K9EN

YTARC BIRTHDAY:

A big batch of celebrants this month. Happy Birthday goes out to the following YTARCs:

Jeremy Wight	WB9NVI	September 10
John Hansel	WB9TIG	September 16
George Halper	W9SUF	September 16
Norman Gade	K9ELK	September 22
Gordon Grant	W9ULM	September 23

SENTENCE SERMON

He that is slow to anger is better than the mighty; and he that ruleth his spirit than he that taketh a city.

-- Proverbs 16:32

AN INVITATION

You are invited to check in to the Central Wisconsin Repeater Association's Swap Net, held every Sunday morning at 10:00 a.m. on the CWRA 146.28/88 repeater, located near Baraboo. On the few occasions when the Swap Net coincides with a state swapfest, the net is not held.

CWRA sponsors two repeaters, 28/88/Baraboo (WA9WVE/R), and 34/94/Madison (W9FZC/R). The Baraboo machine is located at WILV, a commercial FM broadcast station (94.9) southeast of Baraboo. The 28/88 antenna is at the 600-foot level on a 660-foot tower, making antenna height above average terrain around 1200 feet. 28/88 coverage is wide-area, from around Tomah on the north to near the state line on the south. This system provides excellent coverage along the interstate highway.

The 34/94 system is located at the Hill Farms State Office Building on Madison's west side, and provides good coverage of the Dane County area.

Both systems are open to anyone wishing to use them, and, if you are in the area, you are welcome to do so.

If you would like to become a CWRA member - and thus help keep these two repeaters in good order - send your dues (\$15.00 per year) to CWRA, P.O. Box 802, Madison WI 53701.

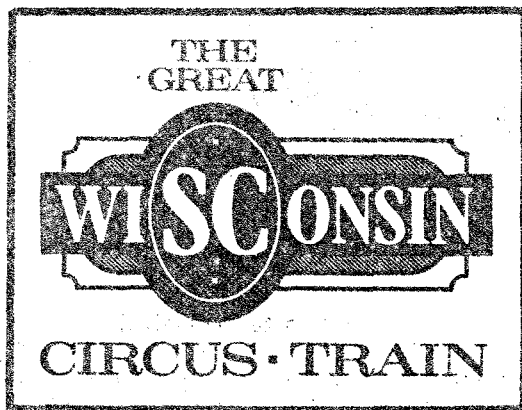
MORE TEST POINT

SOUTH MILWAUKEE SWAPFEST EXAM RESULTS

From Syl Janczak, WD9JKZ
3127A West Madison
Milwaukee WI

On Saturday, July 12, 1986, the Milwaukee Volunteer Core Group, under the sponsorship of the South Milwaukee Amateur Radio Club, had a total of 29 people take exams. Of these, 17 succeeded in upgrading or qualified for a new license. Congratulations are in order for:

Michael Leighton, no license to Technician
Robert Sulak, KA9VOX, Novice to Technician
Carl Sutton, KA9UVU, Novice to Technician
Lisa Reigel, KA9UQT, Novice to Technician
Gregory Zier, KA9VDU, Novice to General
Theresa Ward, KA9UBA, Novice to General
Tom Lewandowski, N9DVT, Technician to General
James Hugo, N9FUN, Technician to General
David Rece, KA9UPY, Technician to Advanced
Maurice Kirchberg, KA9OLE, General to Advanced
Charles Muecke, WA9PZV, General to Advanced
Robert Willett, K9UML, General to Advanced
David Gaylord, WD9EFQ, General to Advanced
Robert Novak, W89WFD, General to Advanced
Raphael Totzke, W9KHH, General to Advanced
Bogdan Zarski, N9EYY, Advanced to Extra
Edgar Smith, W9DYD, 20 WPM code credit



(Story and photos by Jim Romelfanger,
K9ZZ, Editor, BSSS)

A few minutes after 9:00 a.m. on Tuesday, July 8, 1986, a train left the Chicago and North Western Railway yard in Baraboo. But this train wasn't just another way freight, and it wasn't just another quarry train loaded with railroad ballast. No, indeed.. It was the Great Circus Train, and it was a sight that had thousands of people all along the tracks waiting to see it pass.

People, I said.. they were everywhere.. they were standing at crossings.. sitting on hay piles.. on tractors.. in cars and trucks.. in boats.. in quarries.. on flatcars.. on factory loading docks.. even hanging from railroad signal towers. People! Happy people, they were, too.. car and boat horns honking, and miles of smiles, and waves at the passengers and waves right back at the spectators.

The Great Circus Train pulled 21 brightly painted flatcars loaded with 75 even more brightly painted circus wagons, headed for Milwaukee via Chicago for the Circus Parade on July 13. It was pulled by former Chicago and North Western steam locomotive #1385 (which my grandfather used to engineer), with a brand new C&NW diesel to give the steamer some help when needed.

HAM RADIO - HELPING THEM COMMUNICATE (ESPECIALLY AFTER THE LONG DISTANCE TRUNK WAS CUT)

Ham Radio was aboard again, with six Radio Amateurs, eight antennas, several radios and other equipment providing communications and mobile telephone service. Things became more interesting when a long distance telephone trunk was cut near Milwaukee that morning, cutting area code 414 off from area code 608. That left the train with only Amateur Radio to get information to and from Milwaukee. And, as usual, it did the job.

It was a rock 'n' roll ride down some bumpy roadbed, and we spent some of our time hanging on.. in a few spots, staying vertical took priority over communications.

Most communications work from Baraboo to Janesville was on the Central Wisconsin Repeater Association's 28/88 repeater near Baraboo, and we were able to use the system all the way to Janesville.

For the part of the trip through Illinois, the 147.18 repeater at Libertyville, Illinois, was used, then, heading to Milwaukee from Illinois, the 146.67 ARES repeater in Milwaukee saw some action.

WHO DUNNIT? WHO'S THAT GUY WITH FRED?

The stalwart crew doing train duty is shown in the lower right photo on the cover. They are, left to right, George Halper, W9SUF; Jack McLeland, W9ATK; Pearl Capello, WB9BZC; Fred Wendt, W9ZAG, and Ron Armstrong, WB9WRW. Jim Romelfanger, K9ZZ isn't shown; we want to keep our subscribers!

In the lower left cover photo, the feller with our own Fred Wendt, W9ZAG, is Wisconsin Governor Anthony Earl, who rode from Baraboo to Madison, and who patiently put up with my photo requests (Hold it! Got it! Thanks! One more!)

On page 7, you'll find more photos, including some of the gang installing the antennas on the press car. The Ham crew spent all afternoon and part of Saturday evening, July 5, getting it all together and ready. K9ZZ did gopher duty for them.

That's George, W9SUF on top of the coach, installing one of the two antenna bars with 4 antennas each.

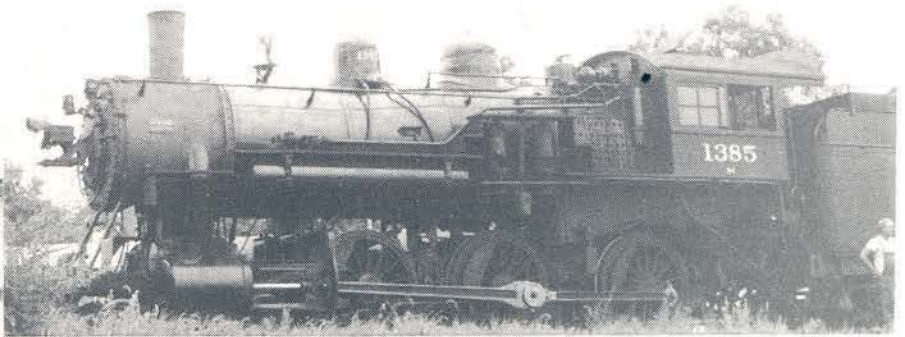
Jack, W9ATK, supplied most of the equipment, including 2 conventional and 2 cellular mobile telephones, lots of 2-meter gear, and even a 450 MHz rig or two.

Fred, W9ZAG, worked the 28/88 circuit from Baraboo to Madison, and from there to Janesville, K9ZZ operated.

Pearl, WB9BZC, worked the radio circuits and did a lot of finding people on the train for whom we had traffic.

Ron, WB9WRW, drove the chase van and kept up with the train in fine shape.

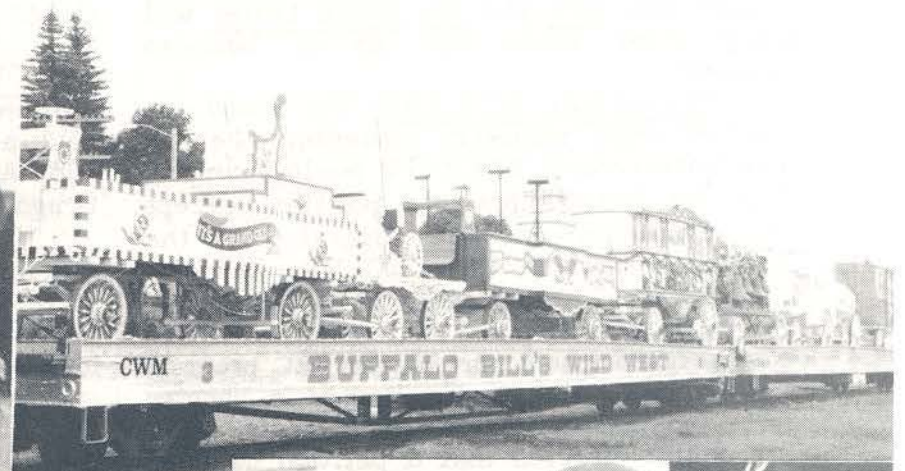
The train stayed very close to its schedule for the entire trip. George, W9SUF, says the crowds in Illinois and back into Wisconsin were huge. It was great to be part of a real perfectly prestigious people pleaser! And, be SURE you visit Circus World Museum in Baraboo!! K9ZZ..



Fred, W9ZAG (left), George, W9SUF (on ladder), and Jack, W9ATK, install the railroad mobile antennas



George, W9SUF, and Gov. Anthony Earl



Miles of Smiles!



Jack, W9ATK, and Happy the Clown

ARRL Board

Meets

(From The ARRL Letter)

The ARRL Board of Directors held its second meeting of 1986 in Farmington, CT, July 24 and 25. Here's a summary of the major actions taken, by subject. Complete minutes of the Board meeting appear in September QST.

NEW ARRL VISITOR'S CENTER AND MUSEUM: The Board unanimously approved in principle the creation of an ARRL visitor's center and museum on the grounds of ARRL Headquarters in Newington. The Board noted that the history of Amateur Radio traces the history of electronic communications itself, and highlights the contributions made by individual experimenters to this field. The Board authorized the officers and staff to research sources of funding for this project. Trust funds for the operating expenses and acquisition of artifacts for such a museum were established with the initial funding provided by an \$85,000 bequest from Thomas Lowery, W7WU. Details concerning contributions to the visitor's center are still being worked out. QST and The ARRL Letter will carry more information as it becomes available.

FCC/LEGAL MATTERS: The Board authorized reply comments concerning the Novice Enhancement NPRM (PR 86-161) supporting the Board's previous position, except that comments will now suggest that the Novice segment in the 1240 MHz band be changed to 1270-1295 MHz to conform with the existing band plan. Motions to make Novice examinations a part of the VEC program and to make the Novice license a shorter term and nonrenewable were defeated. The Board also directed that a petition be filed to correct a technical oversight in Section 97.71(e) of FCC rules, to permit analog modulation and simpler generation of direct-sequence spread spectrum signals.

The Board unanimously voted to establish a "Legal Research and Resource Fund" to provide for research and expert opinions, and to recommend filing of "friend of the court" briefs in Amateur Radio related legal proceedings. The fund shall be supported by voluntary member contributions, and shall be augmented by funds previously collected in the Legal Defense Fund. The ARRL membership form will be modified to allow League members voluntarily to contribute \$1.00 or

more to this fund over and above the membership fee.

PUBLIC-SERVICE COMMUNICATIONS:

The Blue Ribbon Committee, formed to study all aspects of Amateur communications following a widespread disaster such as the Mexican Earthquake, presented its Interim Report. The Committee recommended that ARRL should combine all emergency activities (ARES, RACES, Skywarn, etc.) under the ARRL umbrella, and that it should, in conjunction with FEMA, Red Cross and other agencies, develop an emergency communications team capability. Subcommittees are continuing to study the concept, as well as large traffic overloads in NTS.

DXCC: The Board approved the Golden Jubilee DXCC award, a special award to celebrate the 50th anniversary of DXCC, to be issued during 1987. The Board also voted that the DX Advisory Committee consider the advisability of restructuring the DXCC award. The Board directed that the DXAC consider all possibilities, up to and including a new award replacing the present DXCC. The Board made it clear that it is not committed to such a restructuring of DXCC, but is interested in whether a new award is desired, and if so, what form it should take.

1989 ARRL DIAMOND JUBILEE NATIONAL CONVENTION: The 1989 ARRL Diamond Jubilee National Convention will be held in Las Vegas, Nevada. The date for the 1988 ARRL National Convention in Portland Oregon was set for July 21-24.

QST AUTHORS: The Board directed that effective with the January 1987 issues of QST and QEX, the Executive Vice President will pay authors appropriate honorariums for their published articles.

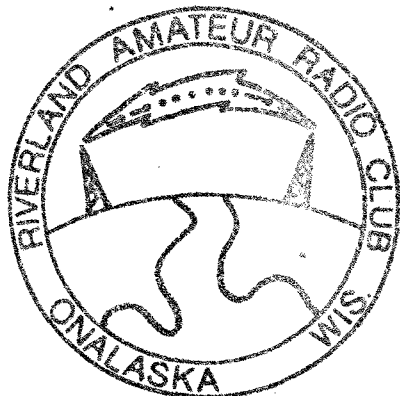
AWARDS: The Board unanimously voted that E. R. "Chip" Angle, N6CA, be awarded the 1985 Technical Excellence Award and the Pewter Cup for his two-part article, "A Quarter-Kilowatt 23-cm Amplifier" that appeared in the March and April issues of QST. Former ARRL President Victor Clark, W4KFC (SK), was selected as the 1985 Recipient of the ARRL Humanitarian Award.

REPEATER COORDINATION FEES:

The Board went on record as opposing all fees for spectrum management by any spectrum-management body or individual within Amateur Radio.

:-----:

This is a summary of Board actions. The complete minutes will appear in September QST.



On August 6, 1986, at 7:40 p.m., the regular monthly meeting of the Riverland Amateur Radio Club was called to order by President Craig Goldbeck. The minutes of the July meeting were approved as read from the Badger State Smoke Signals. The Treasurers Report was approved.

37/97 Report: Antennas for the repeater are G6's at 89.00 dollars each instead of the G7's. Some final adjustments were done to the battery backup prior to tonight's meeting. Everything is working good.

Old Business: Swapfest netted just over \$60 and attendance was over 60.

New Business: Starting a 2-meter net was suggested. There was no interest at this time.

Duane had a report on a Digi-peater that was to be installed in Tomah over the Swapfest weekend.

It was brought to the members attention that the Estate of Bob Colleran was to be auctioned off on Saturday, Aug. 9, at 9:30 a.m.

An explanation of Advanced Electronics Applications Amateur Ambassador program was presented and the application was made available to whoever wanted it.

There was a discussion on the loss of 22 members of our club over the last year. Ideas were discussed as to how we could reach all members annually. A motion was made and seconded that we draw up a new application form and mail it to all members annually. The motion was passed.

A committee of three was set up to set guide lines for a RARC "Ham Of The Year Award." This committee will report back to the membership at the September meeting.

It was mentioned what the grace period was for an operator whose license had expired.

A request was made of the membership to think of what they would like to see for programs at each meeting.

New people were introduced.

Sweepstakes were mentioned so anyone who is interested can start planning for it.

W9DM had brought some items to put out on the table for anyone to take.

Total members present was 31. No program was scheduled.

Respectfully submitted: Greg A. Miller, Sec. Treas. RARC.

Members Present

Greg A. Miller	KA9FOZ
Al Hoffman	KA9VWW
Wid Johnson	W9DM
Jack Yoshizumi	W9KTD
Al Reinholz	N9FZE
Rick Williams	KV9U
John Young	W9KAZ
Gary Countryman	KD9RL
Phillip Long	KA9RLI
Bill Kleinschmidt	N9FDE
Bill Hovde	
Hugh Barker	KA0EJZ
Craig Goldbeck	N9ETD
Bob Pluntz	WD9FKV
Ernie Gershon	K9ZVU
Dick Low	K0JYB
Van Elston	WA9FIO
Wm. Winder	K9EGQ
Herman Ludvig	W9HJV
Art Osbourn	W0JDC
Steve Pavela	KA9TSW
Gary Webb	N19V
Bob Anderson	WA0VHO
Ron Reed	KD9OY
Knute Knutson	W9SFL
Roger Reader	KA9BKK
Bill Wood	WB9VYI
Jim Molledahl	W9BI
Ray Wakeen	WA9HHM
Dallas Miller	K9LEC
Duane Fruechte	W9HWQ
Al Skwiercz	W9QHN

Guests Present

David Carlisle	KA9VVF
John Burcum	K9OAH
Sarah Pavela - Laura Pavela - Maty Johnson	

Your editor is still looking for VisiCalc and CP/M for the Radio Shack Model 4 computer. You got? Please drop me a note or call collect (608) 356-4249.

BSSS can use the following items, if you have them to donate: 20 lb. white offset bond paper, electric stapler(s), electronic stencil maker, and AB Dick electronic stencils (blank, natch). If you have any of these, please call K9EN at (608) 742-3560. Thanx!

Propagation Predictions

By Woody Minar K9EF
13508 Tabscott Drive
Chantilly VA 22021

In 1848, the Swiss astronomer Johann Rudolph Wolf introduced a daily measurement of sunspot numbers. His method, which is still used today, counts the total number of spots visible on the face of the sun and the number of groups into which they cluster, because neither quantity alone satisfactorily measures sunspot activity.

An observer computes a daily sunspot number by multiplying the number of groups he sees by ten and then adding this product to his total count of individual spots. This is represented by the formula $R=K(10G+S)$, where R is the sunspot number, K is the scaling factor that corrects seeing conditions, G is the number of sunspot groups (regions) observed, and S is the total number of individual spots in all groups.

Results vary greatly, since the measurement strongly depends on observer interpretation and experience and on the stability of the Earth's atmosphere above the observing site. The use of Earth as a platform from which to record these numbers contributes to their variability, too, because the Earth and Sun both rotate. To compensate for these limitations, each daily international number is computed as a weighted average of measurements made from as many as six observatories around the earth.

The highest daily count on record occurred December 24 and 25, 1957. On each of those days, the sunspot number totalled 355. In contrast, during years near the minimum of the sunspot cycle, such as now, the count does fall to zero.

Today, much more sophisticated measurements of solar activity are made routinely, but none has the link with the past that sunspot numbers have.

(Excerpts taken from 2/84 NOAA Solar Indices Bulletin).

A bi-monthly trend has been observed over the past several months which causes a revision of last month's predictions:

September 11-12	Better
September 18-20	Worst (Monthly Low)
September 25-27	Better

October 2-4
October 9-10
October 16-17

Worse
Better
Worst
(Considerably bad days)

October 22-24

Better

73, Woody

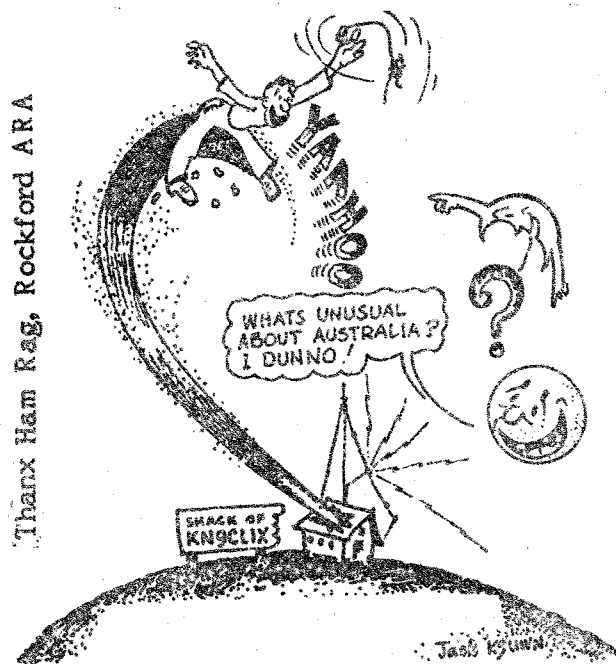
GMDXA ELECTS OFFICERS

The Greater Milwaukee DX Association recently elected officers for the 1986-1987 fiscal year. They are: Noll Amidzich, W9RN, President; Dave Schmocker, KJ9L, Vice-President; and Terry Zivney, N4TZ, Secretary-Treasurer.

The GMDXA's most recent 'needs' list shows the following as being most desired by their members:

1. (tie)	3Y	Bouvet
	XZ	Burma
	ZA	Albania
4. (tie)	4W	Yemen
	7O	South Yemen
6.	XV	Vietnam
7. (tie)	VU7	Andaman
	XW	Laos
	YA	Afghanistan
	5A	Libya

Anyone interested in joining the GMDXA may call Noll at (414) 529-2796. Thanx N4TZ.



Thanx Ham Rag, Rockford ARA

From Your Editor -
Jim Romelfanger
K9ZZ

A few items from here and there..

Ken Ebnetter, K9EN, is running for Vice-Director of the ARRL's Central Division (Wisconsin, Illinois and Indiana) in the elections currently being held..

Ken was first licensed in 1957 as KN9GSC. He upgraded to General in 1958, and moved to Amateur Extra Class in 1961.

Ken has been an ARRL member for 31 years, and is currently a Life Member.

He served as Section Communications Manager for the Wisconsin Section from 1961 to 1969.

Ken is a member of the Wisconsin Amateur Packet Radio Association and is a life member of AMSAT. He is also past president of the Wisconsin Area Teleprinter Society.

K9EN is employed as Service Manager for a Portage music store; he also is Director of Engineering for Kramer Broadcasting. He is also an avid golfer and curler.

He is an active member of Kiwanis, having served as a Distinguished President of the Portage WI club, and as a Division Lt. Governor.

K9EN is a member of the Society of Broadcast Engineers, and is certified by SBE as a Senior Broadcast Engineer.

Ken served as Vice-Director office for two terms from 1979 to 1982, and, during his term, attended the League's Board meetings, almost entirely at his own expense. That shows dedication. Ken also served as Director for two months in 1980.

The Vice-Director does not vote at Board meetings, unless the Director is absent. He must, however, stay current about what is happening in the hobby, and Ken certainly does.

Currently, both the Director and the Vice-Director reside in Illinois. Let's move the Vice-Directorship to Wisconsin. When you receive your ballot from the ARRL, please mark Kenneth A. Ebnetter, K9EN, as your choice for Vice-Director. Your vote would be greatly appreciated. k9zz.

We received a news release from the North Shore Radio Club, but the release was damaged in the mail. Here is the portion which is readable:

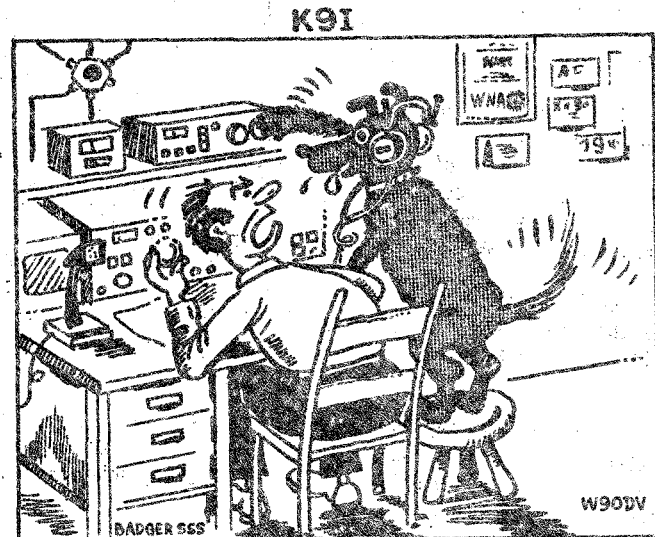
The North Shore Radio Club, an Amateur Radio organization dedicated to public service, announces the date for the

first Competitive Amateur Radio Rally
(C.A.R.R.).

The rally, the first of its kind ever developed, will take place on Sunday, October 12, 1986, in an area encompassing Lake and Cook Counties in northern Illinois.

The objectives of the rally are to train, in an entertaining way, Amateur Radio operators in handling emergency mobile communications. This type of knowledge becomes invaluable to communities when disaster strikes. (Text unreadable from here to):

N.S.R.C., P.O. Box 41, Highland Park IL 60035. A \$3.00 donation will be required from each participant. Prizes will be awarded.



"WHY CAN'T YOU JUST LY DOWN NEAR
THE FIREPLACE LIKE OTHER DOGS DO?"

The Foundation For Amateur Radio has announced the winners for 1986 of the 19 scholarships it administers. One winner is from Wisconsin: Michael I. Silvergate, KR9Q, of Sheboygan, won one of the six Quarter Century Wireless Association Memorial Scholarships, worth \$600 each. Congrats!

Rich Rosen, K2RR, has published a key to all the articles which have appeared in QST, CQ, Ham Radio and 73 Magazine since their first issues (QST continuous since 1945). It's in a two volume set called "From Beverages Thru OSCAR - A Bibliography." There are 764 pages and over 36,000 references to those articles in 92 separate chapters. Over 280 other magazines, journals and other publications were also researched. Send \$40 to Rich Rosen, K2RR, 626 Hurricane Hill Rd., Mason, NH 03048. (From a letter). CU next month! k9zz



EAU CLAIRE A.R.C.

NEXT MEETING

The next meeting of the Eau Claire Amateur Radio Club will be held on Tuesday September 9th at the Eau Claire Parks Rec. Bldg. located at Oxford and First Sts. The meeting begins at 7:30 PM.

LUNCH COMMITTEE

Lunch committee for the September meeting is K9VQP, KA9VKB and W9QKQ.

AUGUST MEETING SUMMARY

The meeting was opened at 7:30 PM by Pres. Yost KD9OB. The minutes of the last meeting were approved as paraphrased by Pres. Yost and were approved, as was the Treasures report.

OLD BUSINESS

A19N, Larry Hamre, our Hamfest Director, reported on the event, which was a success, to the tune of \$155.15 profit with a total of 380 tickets sold. The chief purveyor of electronics equipment, TNT Electronics, was pleased with sales and will be back next year. Larry thanked those who served on the various committees.

W9NW, Carl Searing reported on the volunteer Examinations that were held concurrently with the Hamfest. 30 people were examined, and the upgrade rate was excellent.

No progress was noted on the check out of the old repeater for use as a packet repeater. Also, the matter of a frequency pair allocation for the packet repeater was once again deferred.

The matter of adding a sophisticated repeater controller to the 146.31/91 repeater, having been deferred for six months, was discussed, and after much discussion was finally laid to rest. Voting showed only 3 members in favor.

W9BAR, Bob Fallis, spoke on the new 31/91 repeater antenna. The tower crew's installation of same ended up costing the club \$250.00. A new mast has been erected to replace the old one at the site of the 147.84/24 repeater.

As a reminder, the annual club picnic will take place once again at Irvine Park in Chippewa Falls, on Sunday, the 24th of August at 12:00 PM. Everyone is welcome. Bring the usual dish to pass. W9CRO will once again sit on the picnic table to hold same.

KA9RII, Lisa Harper, reported on the Sacred Heart Hospital Amateur Radio Rehabilitation project. (See September 1986, QST, page 108 under Wisconsin SEC report.) This began on Wednesday, August 6th, with KA9RII, N19R, KD9KL, KA9LJK and KD9XE as operators. Several Hospital residents were quite interested in the demonstration. The group will operate two meters only until the cessation of construction in the Rehabilitation ward in October which will allow installation of HF gear. The group meets at the Sacred Heart Hospital on Wednesday evenings from 6:00-7:30 PM.

KA9RII, Lisa, is also the Director of the demonstrations of Ham Radio at the London Square Mall. This year's demo will take place on the weekend of October 25-26. The membership once again voted to support this event.

Repeater Dues Change

The membership was reminded of the recent change in dues structure. \$6.00 for club membership, \$10.00 for repeater. Family membership no longer will be free, but will be at one-half current fees for each family member. There will no longer be an initiation fee. Dues are due by January 1, with a \$2.00 late charge assessed after that date.

NEW BUSINESS

KA9LJK, Phil Spratt, mentioned next year's Centennial Celebration by the City of Altonna and suggested a special events stations. Since Altonna is a railroad town, possibly railroading may be a theme, and a special events station would be to operate on board a train. Phil will investigate and take charge of the matter.

KD9TT, Tom King, is the new net control of the West Central Wisconsin Traffic Net (WCNTN), with WD9DND, Diane, as assistant. The net is going well, but he could use more assistant net controls.

KD9TT, Tom, is also the new Red Cross Disaster Services Chairman for Dunn County. He will have the availability of a 250 KW S-Band radar in Menomonie, piped in from the Twin Cities and suggested its use as an adjunct to the SKYWARN nets run by the Eau Claire Club. He will pursue the matter.

The "rule of reason" was cited by Pres. Yost pertaining to repeater operation, and was discussed by various and sundry members.

The subject of repeater control operators was discussed at some length and will resume at the next meeting.

As a reminder, Rich Regent, K9BDF of Milwaukee, ARRL Section Manager, will be the guest speaker at the September meeting, which will be as mentioned above on September 9th.

Also remember your club/repeater fees are due by January 1, 1987. Re-read the new fees schedule above.

The meeting adjourned at 8:37 PM, and was followed by much coffee, cookie and conversation.

Respectfully submitted - W9NW, Acting Secretary

***** FROM THE TREASURER *****

As stated in the newly revised BY-LAWS of the ECARC, the following changes in the dues structure are now in effect. For the calendar year of 1987, the PRIMARY club member will pay \$6.00, and any ASSOCIATE members in his household will pay \$3.00. The PRIMARY repeater

member will pay \$10.00, and any ASSOCIATE members in his household will pay \$5.00. Club and repeater dues must be paid BEFORE January 1, 1987. After this date, a fee of \$2.00 will be charged for re-instatement. (ARTICLE V, Sec. 3 and 4). Please remember to pay your dues before January 1 in order to avoid the re-instatement fee. If paying by mail, please enclose an SASE. To pay dues, or if you have any questions, contact Lisa Harper, KA9RII, 514 Fall Street, Eau Claire, WI 54703. 839-8516.

EAU CLAIRE ARC - REHAB RADIO PROJECT

The first session of the Eau Claire Amateur Radio Club's Rehab Radio project took place Wednesday, August 6.

Five operators converged on Sacred Heart Hospital from 3:30 to 5:00 p.m. and introduced several rehabilitation patients to Amateur Radio 2-meter communications.

One gentleman couldn't speak but enjoyed listening to the goings-on and seemed reluctant to leave. An elderly lady, a stroke victim who could only speak in a whisper, stayed till the end and is looking forward to next week, hopefully to hear someone on the repeater from Pepin, where she lived before her illness.

One young man came in while the session was in progress and hung back on the fringes for some time. Little by little, he made his way to the front and became our first volunteer to take the mike!

I had an emotional moment or two during all this, and I'm sure the others experienced many of the same feelings.

Members of the Eau Claire club present at the hospital were Jim Thomson, KD9XE; Corrine Jahnke, KD9KL; Robin Ford, N19R, and Phil Spratt, KA9LJK. Members responding from various locations to provide the chatter the patients enjoyed so much were: Fred Harlson, KC9NN; Louie Forster, WA9CEB; Ruth Girard, NK9L; Tommy Thompson, WA9WRM; Bill Noble, KA9GNG; Ed Van Sickle, N9ECE, and Ron Purvis, WB9WKO.

I can't thank these people enough. This idea has been in the works since last November, and there were times when the work involved made me wonder if it was all worth it. Last Wednesday proved to me that a project like this is one of the most worthwhile a club can undertake.

Soon, we'll be taking a key and oscillator. The therapist feels that this would be excellent therapy, particularly for the patients who can't speak. However, CW will not be used on the air at this point.

Our target date for the HF operation is October. Construction on the rehab floor has delayed this phase of the project, but we're all looking forward to the time when we can get on 80, 40, and 20.

We'll have a dipole up in the beginning, courtesy of Kirk Dahl, W0KD, and KA9LJK. KA9GNG has offered a beam for future consideration. A nice tuner was donated by Jones Jordan, N9CRO. Many of my friends on the HF bands are looking forward to participating once we're up and running with our Drake TR-4C, courtesy of Handi-Hams.

Again, I want to thank everyone who helped make this first session a success, and also those who will take part in the future. A project like this needs many people. The activity is fun and doesn't take much time or effort, but the results can be incredible. Please share some of the enjoyment you get from Amateur Radio with those struggling to recover from catastrophic illness or injury.

There were some who approached me at the Eau Claire Hamfest in July, and I'm embarrassed to admit that I didn't write down your names or calls. PLEASE contact me again. We need EVERYONE who is willing. Lisa Harper, 839-8516.

FOR SALE: Kenwood TS-120S with 500 Hz CW filter, matching external VFO, Kenwood antenna tuner, mike, \$600.00 firm. Dick Lewis, N9BZC. (608) 356-3062 home or (608) 356-9676 work.

FROM THE ACC

Greg A. Miller KA9F0Z
Affiliated Club Coordinator
2522 Wood Street
La Crosse WI 54603

By now, there are several clubs out there that have received a call from me on one matter or another. I hope I was of some help, and any information I sent was what was needed. Any further help, please don't hesitate to call or write.

Congratulations to the Four Lakes Amateur Radio Club on successfully renewing their Special Service Club status.

Madison DX Club has met the requirements for 100% ARRL club.

Total Wisconsin Section clubs is at 43; of this number, 13 still need to send in their 1986 Annual Report. If you need a report form, or any other form, just let me know and I will send one as soon as I can.

Ever wonder who has the largest club in Wisconsin? It's the Milwaukee Radio Amateurs Club, Inc., with 244 members. Congratulations to Club Chairman Chris Welton, WD9GZL, and all the members on a very successful club -- "ARRL's Oldest Affiliate."

Until next time, 73, KA9F0Z

The last call sign in each group to be assigned for the ninth call district, as of August 1, 1986:

Amateur Extra	NM9Z
Advanced	KD9YV
Technician/General	N9FZL
Novice	KA9VXN

I had a interesting story for here but there wasn't any

WISCONSIN NETS ASSOCIATION

WISCONSIN NETS

NET	WNA	FREQ	UTC	CDT	MANAGER
BNN	YES	3984	1100Z	0600	WD9IID
BEN	YES	3985	1700Z	1200	KA9RII
WSDN	YES	3985	2230Z	1730	WA9ZTY
WNN	YES	3723	2300Z	1900	N9DGL
WSSN	YES	3645	2330Z	1830	N9BDL
WIN-E	YES	3662	0000Z	1900	WB9ICH
WIN-L	YES	3662	0300	2200	KC9CJ
NW7N	YES	34/94	2330Z	1830	KD9VR
NCWTN	YES	31/91	2330Z	1830	NB9H
GR.BAY	NO	72/12	0145Z	2045	WB9NRK
			THU	WED	
WRN	NO	3625	2300Z	1800	K9UTQ
			RTTY Sun. Tue. Thu.		

 -THE 1986 WNA PICNIC-
 (Including a meeting and elections)

Saturday, September 20, 1986 - Shawano County Park - On the north shore of Shawano Lake, four miles north of Highway 29 on Shawano County HH. Talkin on 145.35 (transmit down 400 KHz). CAMPING FACILITIES AVAILABLE - \$6.00 FOR ELECTRICITY - ROLLER SKATING - SWIMMING - BOATING - REFRESHMENTS FURNISHED - POP AND BEER - AWARDS - FOOD AVAILABLE ON THE GROUNDS. The picnic festivities will get underway about 12 noon, with the WNA meeting and elections starting at 1 p.m. If there are enough players available, the traditional softball game will be held! THE USUAL BARGAIN ADMISSION RATES:

Singles: \$3.00 - Couples: \$4.00 - Families: \$5.00

This is a fun time and a fund raiser for the WNA.. Please make plans now to attend!

 -EVERYONE IS WELCOME!-

SECTION MANAGER'S NOTES

July 1986

Richard R. Regent K9GDF
 Section Manager
 5003 South 26th Street
 Milwaukee WI 53221

Milwaukee Volunteer Core Group, with WD9JKZ in charge, received a special plaque from the W/K ARC and the ARRL for extensive volunteer work in giving license tests.

Four Lakes ARC has qualified to renew their status as a Special Service Club; info on SSCs and ARRL Clubs available from KA9FQZ.

W9MDG is now a Public Information Assistant; if you would like to be a PIA, contact K9ZZ.

NK9D is a new Official Observer; if you would like to be an OO, check with NC9G.

Sincere thanks and praise to radio operators who worked hard, under the direction of EC WB9SMM, to make the Milwaukee Circus Parade a success; especially since they also handled extensive severe weather reports the day before. Check with your EC for information about public service and weather activities in your area or participate in the Simulated Emergency Test this month (See the WNA section of this issue for more info on the SET).

October 12th, Kettle Moraine RA Swapfest, Waukesha County Exposition Center, 8 a.m., with talkin on 147.39+.

Wisconsin Chapter BCWA meeting is tentatively planned for October 18th with a lunch and auction at the Green Bay Downtowner, social hour begins 11 a.m., guests and visitors are welcome.

New officers of Greater Milwaukee DX Assn.: Pres. W9RN; V. Pres. K39I; NATZ Sec/Treas., and of Sheboygan ARC: Pres. WB9CXV; V. Pres. N19Z; Sec. NR9R; Treas. W9IDG.

K9UTQ didn't win the neatest appearing Amateur Radio Station Award, but Popular Communications Magazine did award Gene the Best Equipped prize: a gadget to connect between a scanner radio and a tape recorder worth \$70. Congratulations.

Please send your monthly station activities reports to me by the 6th of the following month.

Late starters are seldom winners.

9RN CYCLE 4 JULY REPORT QNI 362 QTC 400 QTR 868 IN 62 SESSIONS WISCONSIN PARTICIPATION EIGHTY SEVEN PERCENT STATIONS N9AUG W9CBE KC9CJ W9CXV W9DND AB9B K9GDF WB9ICH KA9OBP K9UTQ AND W9YCV 73 - W9JUI NM.

CAND JULY QTC 781 IN 31 SESSIONS D9RN PARTICIPATION WISCONSIN STATIONS N9EAX W9ODV N9BGE WD9FRI WB9WGD KA9RII - JERRY W5KLV NM.

 READY, SET, GO

 Gary D. Maples W9DAK
 Section Emergency Coordinator
 1006 Marquardt Road
 Wausau WI 54401

Are you READY for the 1986 Simulated Emergency Test, SET? If not, it's time to GO out and get prepared. This year's ARRL sponsored Simulated Emergency Test is scheduled for the weekend of October 18-19.

Once a year, the ARRL urges all Radio Amateurs to become involved in the testing process to determine our abilities to meet a communications emergency. Most SET exercises are planned and organized by local units of the Amateur Radio Emergency Service (ARES). Just as it takes operators to make communications work in a real emergency, it takes operators to make a communications exercise work.

A real emergency is not the time to start on-the-job training in emergency communications techniques. The detail and the organization have to be in place before the actual emergency. Your local county ARES Emergency Coordinator works hard to plan Amateur Radio's response to a real communications need. Once a year the local ARES group needs to test some or all of those plans.

The best planned SET will mean nothing if you as a Radio Amateur do not lend some of your time to support the exercise. Paper plans need people to make them work! A few hours of your time on the 18th or 19th of October is all that is needed to make a valid test.

Of course, you may respond that you put in plenty of time on weather watch operations or you helped cover two parades last year. Certainly those types of activities should provide more than enough testing and training! They sure do, for those specific situations, but what about mass evacuations or flood situations? These or other test situations may involve events which you have not had any practical experience for. Now is the time to learn something about them.

Too often the local Emergency Coordinator is reluctant to plan a novel, innovative, or complex SET as he really isn't sure of how much support he will get from local Hams for the actual test. Now is the time for you to let your local EC know you are prepared to support his efforts for a practical, productive SET. The day before SET weekend is too late. That time horizon simply does not permit useful planning for an SET. Let your county Emergency Coordinator know you want a meaningful SET and you are willing to lend your effort to accomplish it.

Do you have a special interest within Amateur Radio? Traffic? Packet? Let your EC know you would be willing and would like to see some of this activity worked into the SET. Too often we get into an unfortunate circumstance of not participating because nothing in the activity interests us. On the other hand, our particular interest was not programmed into the activity because the planners didn't know who would be willing to participate.

Are you interested in Packet? Would you like to see it grow even faster than it is? The more you expose Packet to other Hams, the more it will spread. Are you going to be asking your EC how Packet can play a role in his SET planning? While I used Packet as an example, this applies to any facet of Amateur Radio which you are particularly interested in.

Your EC is not your local ARES. You are the local ARES. How well your group reacts in a real emergency will depend upon how much effort you will put into preparing for it.

Don't forget the upcoming Wisconsin Nets Association Picnic. It will be held at the Shawano County Park on September 20. The National Traffic System is an integral part of the public service communications system. The Wisconsin Nets Association is an integral part of the NTS. Local communications planning is important, but in many cases, the local communications need an outlet. The WNA needs your support and you need to know how the traffic system operates. Get familiar with Wisconsin nets; you won't regret the experience!

TRAFFIC TOPIX - K9UTQ, STM

Hi again all! Hope you had a great summer. I know I did - especially with the visit to ARRL Headquarters and operating WIAW. Was quite a thrill!! Also saw the VOA transmitter site in Greenville, N.C. I would like to have their antenna system! I will have pictures in this publication sometime in the future.

We have had several Net Manager Changes recently. Rob Hummel, WA9ZTY, because of other commitments, had to relinquish his NM position with the Wisconsin SSB Net. He was replaced by Max, NOFKU who resides here in Wisconsin Rapids. Max came here from Minnesota and brought with him a lot of experience in net operations as he was NCS on the Minnesota Section Phone net for some time. Thanks Rob for a great job and hope to hear you on the net from time to time. Also want to wish Max the best of luck in his new NM position.

Bill Hayes, N89H, who took over as NM of the West Central Wisconsin Traffic Net in May, had to resign that position due to personal commitments. Bill did a fine job during his brief tenure as NM and expressed great regrets in having to quit. Bill was replaced by Tom King KD9TT in Menomonie.

Doug, KA9SKU, the NM of the Northwoods Traffic Net has been sporting a new call - KB9VR - since March.

The Wisconsin Novice Net also has a new NM replacing Paul KA9DBP. He is Bruce Cadwell, N9DGL of Shawano. Thanks for a job well done during your tenure Paul and best of luck to Bruce.

Those of you who have been NMs for a time should be getting "Section Leader" and "Field Forum" from ARRL headquarters on a quarterly basis. If you don't please let me know and I will look into it. Your new NMs will be getting them shortly. Please read through these as there is a lot of worthwhile information and ideas presented on their pages.

We have several new Official Relay Station appointments thanks to our Section Manager, Rich Regent, K9GDF who signed them up at the WNA June meeting held in conjunction with the Steven's Point Swapfest. The new RMs are W9WJH, WB9KPX, N9DGL, and WB9YPY. I also signed up Max NOFKU, NM of WGBN. RMs should be getting "FIELD FORUM" every three months.

As with any ARRL appointment, a monthly Station Activity Report is a requirement. These are sent to our SM K9GDF. If you are an NM or ORS I also should be getting a report. These can be in the form of a Radiogram sent on the nets. The format is:

SAR JULY ORSDT 2 12 26 5 45 XRAY 73

ORSDT is Originated, Received, Sent, Delivered and Total. In the above example there were 2 originated, 12 received, 26 sent and 5 delivered for a total of 45.

Not submitting these reports for 3 consecutive months could result in cancellation of your appointment!

All of you who have been NMs for some time should have received a green ARRL pin. Again, if not, please let me know. Your new NMs should be receiving yours soon. By the way, if you are not an ARRL member, you should not be holding an appointment!

I have to once again gripe about the problem of NCS not getting session reports to NMs. The Net Managers have to submit monthly totals to be right after the 1st of the month so that I can get my composite report to ARRL by the deadline for publication in QST. PLEASE try to get your reports to the NM within 3 days or put it on a post card and send it to him/her or me. We would be most grateful with your cooperation. Most NCS are doing this but there are a few amongst you who are not and you know who you are. This is part of the responsibility of being an NCS.

All NMs will be receiving a packet in the mail from me containing net rosters and graphs of your nets performance thru June compared to two previous years as well as a listing of all nets and their stats through June.

Some NMs have not been notifying me whether or not to renew members when they are due. These dates are listed on the rosters. Look them over and let me know who should be eliminated due to inactivity on your net.

With Fall and Winter creeping up, more participation on the nets will be in evidence as people are driven indoors with cooler weather. Try to get fellow club members and hams in your communities involved in Local and Section nets. We can always use more people.

That about does it for this one. CU on the nets. 73

Gene Santoski K9UTQ
Section Traffic Mgr

BADGER EMERGENCY NET

Lisa Harper KA9RII
Net Manager
514 Fall Street
Eau Claire WI 54703

Well, three months have passed since I became net manager for the BEN. The stats are looking better, though I don't have any figures from previous years to make comparisons.

Summertime is a slow period for most nets, what with all the great outdoor activities most of us elect to participate in (yes, that includes lawn-mowing). The BEN isn't the only net suffering from a decline in check-ins and traffic: If there's no traffic coming down from the area and region nets, it stands to reason that we won't have much business on the section level. There have been many days that I've been 9th region receive on Central Area and came away with one or two pieces of traffic. Times are tough all over.

Hopefully, once we get into fall, check-ins will increase. In the last three months, the BEN has an overall record of clearing only 80% of the traffic. The only way to improve this percentage is to get more people to check in from all the various nooks and crannies of the state. One glaring hole in our network is the Superior area. The Baraboo area (where's that, Lisa? zz) is another, along with Bagley, Mason, Dairyland, Webster and others.

I'd like to again extend a hearty "thank you" to Ed,

W9UCL, for his work along these lines. When all else fails, we can always count on Mr. Ed to be ready and willing to take the hard-to-deliver messages. Don't know what we'd do without you, Ed!

Another group that deserves our thanks is the Milwaukee contingent. At the end of the month, when we're all frantically trying to get our SAR's and PSRR's to K9BDF, very often these great guys relay our reports and get them to Rich. I know Rich appreciates their efforts also, as it's difficult for him to make every net. (Just think, Rich: When you start collecting Social Security, the first of the month will take on a whole new meaning).

The following is a list of the regular net controls and 9RN reps. KA9KLZ has been filling in for W89PKL on Thursdays because of Marv's technical problems. Note that there are some open slots. Even if every slot was filled, we'd still be short-handed. People need time off, and it's a shame to lose good people to burn-out, just because they offered to fill the void one too many times. Please consider volunteering as an alternate net control; there are days when the regular can't make it for one reason or another.

We also need more help on 9RN. This is an easy job and a fun one. 9RN meets daily at 1745Z and 2100Z on or about 7284 KHz. Listen in and see what it's all about.

	NCS	D9RN
Monday	W9YCV	W9BGE
Tuesday	KA9CPA	KA9RII
Wednesday	WA9SLZ/KA9RII	W9BGE
Thursday	KA9KLZ/W89PKL	KA9RII
Friday	W9DLY/WC9AAG	W9CBE
Saturday	W99FRI	OPEN
Sunday	W89ICH	OPEN
Alternates	W9IEM	W9IEM W99FRI KC9CJ W90DV

The stats for the last three months are as follows:

	CHECKINS	OFFERED	PASSED
May	646	224	180
June	652	198	150
July	722	243	200

I'd like to thank Art, KA9KLZ, for serving as Official Bulletin Station. I, for one, really enjoy hearing the bulletins.

Each and every net member makes the BEN what they want it to be. Any suggestions or questions are more than welcome. Thank you all for being a part of the BEN. We couldn't do it without you!

161, Lisa, KA9RII

A: "I left a shoe here to be fixed."
B: "Here it is."
A: "That's not the right one."
B: "No, it's the left one."
A: "It isn't the left one I left."
B: "It is only the left one left, so it's got to be the right one."



THE WISCONSIN PACKETEER

WISCONSIN AMATEUR PACKET RADIO ASSOCIATION (W.A.P.R.)
P.O. BOX 1215
FOND DU LAC, WI 54935

NEW DIGIPEATER IN THE NORTHWEST

W0AIH-1 IS NOW OPERATING AT THE W0AIH ANTENNA FARM IN BRACKET, WISCONSIN. THIS DIGIPEATER'S ALIAS IS EAU AS IT IS LOCATED NEAR EAU CLAIRE. IT BOASTS 60 WATTS OF POWER AND HARDLINE TO A BEAM DIRECTED AT ST. PAUL. MOST DESIRABLE PATHS ARE VIA W80GDB IN ST. PAUL AND N9CLE-1 IN TOMAHAWK, WISCONSIN OFF THE BACK OF THE BEAM. (UNFORTUNATELY, THE N9CLE-1 LINK CAN ONLY BE MADE DURING BAND OPENINGS. IF ONLY WE COULD PERSUADE AIM TO TURN THE ANTENNA 180 DEGREES. - ED).

VIA TODD - N9EQP

SOMETHING NEW FOR TOMAH

N9BBN HAS LEARNED THAT A NEW DIGIPEATER WILL BE GOING UP IN TOMAH VERY SOON. THIS HAS BEEN KEPT QUIET FOR FOR A NUMBER OF WEEKS BY K9YUO, W99SU AND N9BOE WHO HAVE CONSPIRED TO SET THIS ONE UP UNDER OUR NOSES. NOT MUCH IS KNOWN YET AS TO THE SET-UP, BUT IT IS BEING DESIGNED AS A RELIABLE LINK TO W9FIO (FIO-1) IN LA CROSSE AND POINTS WEST.

BEAVER DAM IS ON THE AIR

K9JDE HAS SET-UP A PACKET STATION AT HIS HOME IN BEAVER DAM. HIS ALIAS IS DESIGNATED BVD. THE SET-UP INCLUDES A KPC-2, 80 WATTS INTO AN OMNI-DIRECTIONAL ANTENNA. BRAD IS ON 24 HOURS A DAY AND CLOSSES THE GAP NORTHWEST OF MILWAUKEE. HIS ENTHUSIASM IS APPARENT IN THE FOLLOWING ARTICLE HE HAS WRITTEN FOR AS-YET NON-PACKETEERS.

WHY PACKET RADIO?

HAVE YOU EVER ASKED YOURSELF "WHY WOULD I WANT PACKET RADIO"? MAYBE YOU HAVE THOUGHT IT WAS JUST ANOTHER MODE AVAILABLE TO HAMS THAT IS POPULAR TODAY, BUT MAYBE GONE TOMMORROW? MAYBE YOU CAN'T TYPE AND HATE THE THOUGHT OF TYPING YOUR THOUGHTS RATHER THAN SAYING THEM. THE PURPOSE OF THIS ARTICLE IS TO ANSWER SOME OF YOUR QUESTIONS ABOUT PACKET RADIO AND ADDRESS YOUR CONCERNS REGARDING THIS MODE OF OPERATION.

I WILL START BY COMPARING PACKET TO RTTY. RTTY IS SENT AT 45 BAUD (60 WPM) OR 75 BAUD (100 WPM). PACKET IS SENT AT 1200 BAUD (ON VHF)! IN RTTY, ONLY ONE PERSON TALKS AT A TIME AND ONLY ONE QSO PER FREQUENCY. WITH PACKET, IT IS EASY TO TALK BACK AND FORTH IN ONE OR TWO WORD SENTENCES IF YOU WISH. ALSO, IT IS POSSIBLE FOR MANY, MANY STATIONS TO CARRY ON DIFFERENT QSOS ON THE VERY SAME FREQUENCY WITH NO INTERFERENCE! WITH RTTY, ERRORS ARE ABUNDANT. IN PACKET, THERE ARE NO ERRORS, PERIOD!

NOW, FOR THE BEST PART ABOUT PACKET RADIO: EVERY STATION IS A REPEATER! IF I WANT TO CONTACT A STATION IN CHICAGO, I MAKE ONE HOP TO MILWAUKEE AND A SECOND HOP TO ILLINOIS. IF I WANT TO GO TOWARDS MICHIGAN, ONE HOP TO BROWNSVILLE, A SECOND HOP TO PLYMOUTH AND A THIRD HOP TO HOLLAND, MICHIGAN. THERE ARE MANY SIMILAR PATHS THROUGHOUT THE MIDWEST. MY STATION IS CURRENTLY SET UP AS A 24 HOUR DIGIPEATER IN BEAVER DAM, RUNNING 80 WATTS INTO AN OMNIDIRECTIONAL ANTENNA AT ONE OF THE HIGHEST POINTS IN TOWN.

IF YOU TRIED RTTY AND DIDN'T LIKE IT BECAUSE YOU HAD TO LEARN MANY COMMANDS, PACKET IS MUCH EASIER. IN FACT THERE ARE ONLY 3 COMMANDS THAT EVEN A CHILD COULD MASTER IN A MATTER OF MINUTES! THEY ARE 'C' FOR CONNECT, 'D' FOR DISCONNECT AND 'V' FOR VIA. FOR EXAMPLE, IF I WANT TO TALK TO SOMEONE IN GREEN BAY, I WOULD TYPE: 'C K9JQE V W99SDA-1'. W99SDA-1 IS A POWERFUL DIGIPEATER IN BROWNSVILLE AND K9JQE IS IN GREEN BAY. ONCE YOU HAVE CONNECTED, IT IS EVEN SIMPLER! THE COMPUTER DOES ALL THE WORK.

NEXT SUBJECT. HAVE YOU EVER NOTICED THAT 2 METERS JUST ISN'T FRIENDLY? CALLING CQ IS OUT AND PEOPLE USUALLY ONLY TALK TO PEOPLE THAT THEY KNOW. WELL, OPERATING PACKET IS DIFFERENT! I WENT TO MY FIRST PACKET DEMO IN WATERTOWN. W99WRW WAS SO FRIENDLY AND HELPFUL. NOW THAT I HAVE JOINED THE PACKET (AS OF LAST THURSDAY), I CAN'T BELIEVE HOW FRIENDLY AND HELPFUL EVERYONE HAS BEEN.

LAST SUBJECT. PACKET WILL HELP GET YOUNGER PEOPLE INTO HAM RADIO. KIDS LOVE COMPUTERS AND PACKET MAKES THE CONNECTION BETWEEN RADIOS AND COMPUTERS! PACKET IS HERE TO STAY. SO JOIN THE RANKS SOON!

73 BRAD

YLR'S MSO QRT

EFFECTIVE SUNDAY EVENING, AUGUST 24, THIS MSO WILL BE LEAVING THE AIR. SEVERAL FACTORS HAVE LED TO THIS DECISION.

1. THE PROLIFERATION OF WORLI BBS'S IN THE AREA MORE THAN PROVIDE MESSAGE HANDLING CAPABILITIES.
2. NORTH/SOUTH PATHS ARE MORE THAN ADEQUATE WITH ALL THE STATIONS THAT HAVE MATERIALIZED OVER THE PAST FEW MONTHS.
3. THE NUMBER OF CONNECTS HAS DECREASED SIGNIFICANTLY IN THE PAST FEW WEEKS, SO IT LOOKS LIKE MOST STATIONS HAVE MOVED OFF TO WORLI TYPE BBS'S.
4. ALMOST ALL ACTIVE STATIONS HAVE A PAM ONLINE, SO THE SIMPLE TASK OF LEAVING A MESSAGE FOR SOMEONE (THE REASON THIS MSO WAS PUT ONLINE) IS HANDLED MORE DIRECTLY, AND PROBABLY MORE TIMELY. THIS MSO ORIGINATED ALMOST 18 MONTHS AGO AS A "MIRROR" BOARD FOR W9ZGS SO THAT HE COULD SEE WHAT HE WAS DEVELOPING FROM THE USERS POINT OF VIEW. IN THAT TIME IT HAS DEVELOPED FROM A VERY PRIMITIVE, PROBLEM PRONE SYSTEM, TO ONE THAT I FEEL HAS SERVED IT'S USERS QUIET WELL. THE CREDIT FOR IT'S DEVELOPMENT BELONGS TO VERNE, W9ZGS. HE SPENT MANY HOURS IN DEVELOPING THE PROGRAM, AND I WANT TO THANK

KIM FOR HIS HELP AND SUPPORT OVER THE PAST MONTHS. THE W9ZBS MESSAGE SYSTEM IS ACTIVE ON 145.03, AND IS PROVIDING GOOD SERVICE TO THOSE ON THAT FREQUENCY.

IT'S BEEN A LOT OF HEADACHES, A LOT OF TIME SPENT CLEANING UP FILES, BUT MOST OF ALL, IT'S BEEN A LOT OF FUN RUNNING THIS THING. THIS SHOULD BE A RE-NEWED EXPERIENCE FOR ME...BEING ON IN PERSON FROM NOW ON. WILL BE NICE TO MEET SOME OF YOU IN PERSON RATHER THAN VIA THE MSD.

ONCE AGAIN, THANKS

 LRRA PACKET LOST AND FOUND DEPARTMENT
 from GEARVAKf Bulletin

As the popularity of Packet Radio grows, more and more operators are experiencing lost packets during QSOs. To help alleviate the problem, the League of Radio Relaying Americans (LRRA) has established a Packet Lost and Found Department. Hams who have either lost or found packets should call LRRA headquarters for instructions on how to return them to their rightful owners.

--KVM5149

 DXing
 Dennis Ruskin, K9BIL
 from The FEEDLINE
 (Four Lakes ARC)

WHY IT'S RARE

Downtown Tirana is said to be quiet and relatively free of motor traffic, except for busses. Now and then, an official Mercedes, black and mysterious, with curtains drawn over the back windows, wends its way through the cyclists and pedestrians.

Ownership of private autos is forbidden here. In the entire country, there's supposed to be only one set of traffic lights, in the coastal community of Durres.

Albania is pastoral, its narrow streets badly surfaced, traveled by horse-drawn cart and by women on foot. They lead cows, sheep, and pigs through a country in the modernistic continent of Europe.

In town squares, busts of Stalin look down gravely, yet there is no real allegiance with the Soviet Union. Conversations on the street are in hushed tones. There is no singing in public, no card playing. You don't discuss politics and religion. The country was about 70 percent Moslem when the Communist Party closed all mosques, Russian Orthodox, and Catholic churches. Many of the buildings are now being used for sports and entertainment.

As might be expected, there is a secret police, the "SIGURINI". These dour plain-clothesmen are not inconspicuous, always listening and watching.

Every day, large numbers of men and women are seen passing time on the streets and in the fields. Though everyone is guaranteed a job, many seem to be idle.

Families cannot simultaneously own a television, refrigerator, or washing machine; they must choose one.

The highest wage allowed in the country, reportedly is 13,200 leks, or about \$1884 per year. A television costs about \$571, a radio \$142, a mans suit about \$96. Apartment rent runs \$6 a month. Groceries are supposed to be reasonable, but meat is difficult to find.

Forty years of isolation has led to the retention of some strange customs. Albanians nod to say no, shake their heads for yes.

As you can see, the reasons are many for the lack of a ZA for many an aspiring DXer, both old-timer and newcomer alike. The isolation of forty years has caused the small European country to become an island unto itself and is the main reason why it is so rare. This is true not only in Amateur Radio, but in the world arena as well.

Times have changed, or have they. The old ruler is dead and a new regime is in power. Only time and the countless rumors of an impending ZA operation help the DXers imagination.

The dream of a valid contact and an acceptable QSL card may be closer to realization. As you can see, it has been a long time coming and may still be a long way off. But the true-blue DXer believes the belief of the innocent. ZA will show again! May the good Lord grant us a long enough life to work it when it shows.

As always 73 and gud DX

Denny, K9BIL

 WHAT ABOUT THE FORMALDA?

 GEARVAKf, Spring, 1986

In an angry statement issued today, Dr. Benjamin Whiggode, President of the Alliance for Formalda Preservation, said that his organization's efforts to preserve the native American Formalda from extinction have been "undermined by malicious publicity generated by the Save the Nogga Foundation, which claims its endangered animal is more worthy of saving than the heavily exploited Formalda."

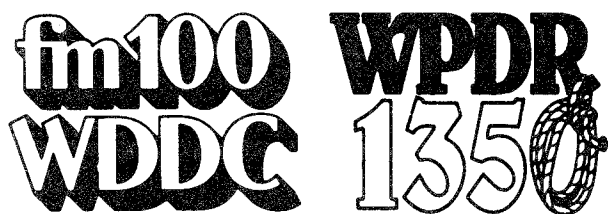
Whiggode explained that the Nogga is merely the figment of a publicist's imagination. "The Nogga is a fraud, just like Halley's Comet. Nobody's ever seen it, and nobody ever will," he said. Whiggode claims that the Formalda's hide is used indiscriminately throughout the world to "keep icky dead things from rotting," and deserves a place on the endangered species list.

The GEARVAKf Bulletin attempted to contact President Reagan for a comment, but his spokesman, Larry Spokes, said Reagan was "busy with the war and don't care."

-Ben

 That brings us to the end of another information filled issue of Badger State Smoke Signals. Hope that you enjoyed it all. Don't forget the WNA Picnic. Hope to see you there. 73 de bss staff.

Badger State Boosters



PORTAGE, WI



AFFILIATED WITH



THE ORIGINAL MIDWINTER SWAPFEST

WAUKESHA EXPOSITION CENTER
HIGHWAYS F & FT
WAUKESHA, WISCONSIN

WARAC SWAPFEST
P.O. Box 1072
MILWAUKEE, WISCONSIN 53201



Radio Shack

VODAK TV SALES

COLOR TV - B & W TV
TOP TUNES - RECORDS - LP - STEREO
TV ANTENNA SYSTEMS - CB - SCANNERS

We Stock
COMPUTERS
VCR's

Antenna Wire and Insulators
Coaxial Cable and Connectors
Coaxial Adapters

PHONE 356-6666

404 Oak Street
BARABOO, WIS. 53913

We now sell & install Satellite TV systems

HAM IT UP EVERY SPRING

MADISON SWAPFEST

DANE COUNTY EXPO CENTER
FORUM BUILDING

Sponsored By MARA WB9AER

Box 3403 - Madison, Wis. 53704

AMATEUR ELECTRONIC SUPPLY®

4828 W. Fond du Lac Avenue
Milwaukee, WI 53216
Phone: (414) 442-4200

Wisconsin WATS: 1-800-242-5195
(Call TOLL FREE outside of Milwaukee Metro area)

HOURS: Mon. thru Fri. 9-5:30; Sat. 9-3

SOUTH MILWAUKEE AMATEUR RADIO CLUB

SWAPFEST

July 12, 1986
(Held Every July)

American Legion Park
Shepard Ave. Oak Creek, WI

South Milwaukee ARC
P. O. Box 102
South Milwaukee, WI 53172



When in the Area Shop Our Baraboo, Portage
North, Portage Downtown, Pardeeville and
Fox Lake Wisconsin Stores.

SUPPORT YOUR LOCAL AMATEUR RADIO
CLUB — JOIN TODAY!

Riverland Electric Co.

Commercial - Residential - Industrial

Serving La Crosse and Surrounding Area

KEN WEIGEL
783-4967

W6465 Juline Way
Onalaska, WI 54650

73 Amateur Radio's
Technical Journal

A publication of CW Communications/Inc.,
the world's leading publisher of computer-
related newspapers and magazines.

JAMES H. GRAY, W1XU
ADVERTISING MANAGER

80 PINE STREET, PETERBOROUGH, NH 03458
(800) 441-4403 (603) 924-7138

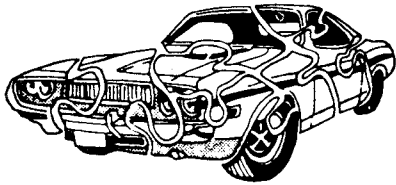
800-328-0250
(612) 535-5050 (IN MN)

PROMPT
PROFESSIONAL
SERVICE

TNT RADIO SALES, INC.
"SALES & SERVICE"

4124 W. BROADWAY
ROBBINSDALE, MINNESOTA 55422

Badger State Boosters



P & B AUTO PARTS

P. O. Box 190 133 WATER ST.
BARABOO, WISCONSIN 53913



RHYME SUPPLY INCORPORATED

122 EAST COOK STREET PORTAGE, WIS.

COMPLETE LINE OF OFFICE MACHINES - FURNITURE - COMPUTERS

TELEPHONE
608-742-3747-5371

KEN HUTLER



RICHARD O. LUST, CAI
Certified Auctioneer/Broker
(608) 258-0024

K9APW

LUST AUCTION SERVICES

(608) 833-0011 / 258-8880

7552 Pioneer Place
Verona, Wisconsin 53593

(Statewide Service To Hams - Since 1975)

Auctioneering Real Estate



COUNTRY MARKET

TOTAL DISCOUNT FOODS

935 8th Street • Box 90
Baraboo, Wisconsin 53913

356-2106

We Buy Aluminum Cans



CHECK OUT OUR...
**EVERYDAY
LOW PRICES**



The
Performance
Company

TURNER'S Broadway Liquor Mart

And Self-Serve

Open 6:30 am to 11:00 pm - 7 Days a Week

Beer - Liquor - Wine

GAS

805 Broadway

Baraboo, Wis. 53913

356-9488

AMIGA C-64, C-128	THE SOFTWARE SHOPPE	LEADING EDGE ATARI-520ST
344 S. MILITARY RD. FOND DU LAC, WI 54935 414-921-8448		
COMPUTERS - SOFTWARE - PRINTERS - SUPPLIES		
WA4COY	KEN R. MORAN	

Baraboo Floral Company

1406 East Street
BARABOO, WISCONSIN 53913

FLOWERS FOR ALL OCCASIONS

BUY FROM A GROWER

We wire flowers almost everywhere

PHONE 356-5336 - WE DELIVER



Giegerich's Sons Inc.

514 Park Avenue
PRAIRIE DU SAC, WISCONSIN 53578

"Sauk Prairie's Quality Printers
and House of Office Supplies"

TROYER *Rexall* DRUGS

JACK D. TROYER, R.P.H. DAVID M. FUHS, R.P.H.

106 - 4th AVE. PHONE 356-4564

BARABOO, WISCONSIN

"Good Health Is Our Business"

WE MAINTAIN A COMPLETE RECORD OF ALL
YOUR FAMILY'S PRESCRIPTION PURCHASES



COMPUTERS
Leading Edge - Televideo - N.E.C. - Altos
PRINTERS
Okidata - Olympia - Data South - Toshiba
N.E.C. - Star
SUPPLIES
Software - Cables - Paper - Ribbons

Leisure World

612 South Boulevard
Baraboo, Wisconsin 53913
(608) 356-5280

BADGER STATE SMOKE SIGNALS

SUBSCRIPTION INFORMATION

Dear Fellow Radio Amateur:

If you are not a regular recipient of Badger State Smoke Signals, this sample copy is to introduce our publication to you, and invite you to join our regular readers. Smoke Signals has been published monthly for over 16 years. Originally published as the club paper for the Yellow Thunder Amateur Radio Club, it has been, for the past three years, a state-wide publication.

Badger State Smoke Signals will carry current Amateur Radio news, news about YELLOW THUNDER ARC, RIVERLAND RADIO CLUB, EAU CLAIRE ARC, WNA, WAPR, ARRL, GEARVAKf (the f is silent), and other clubs and groups in Wisconsin as well. You will be kept apprised of what is happening in our hobby - locally, regionally, nationally and around the world. Among the many features will be Sentence Sermons, member birthdays, swapfest calendar, meeting notices, The Test Point, ARRL section news, humor and excellent feature articles by well-known Amateurs in Wisconsin and elsewhere. Reports will be included from ARRL Bulletins, ARRL Newsletters, and Westlink Reports, along with items of interest from exchange newsletters and the ARNS.

Regular individual subscription rates:

		save over annual rate
1 year	- \$7.50 (12 issues)	----
2 years	- \$14.00 (24 issues)	\$1.00
3 years	- \$20.00 (36 issues)	\$1.50

If you wish to subscribe, please use the form below. Make checks or money orders payable to Badger State Smoke Signals. Send this form to Jim Decker, WB9UQT, Treasurer, P.O. Box 337, Baraboo, Wis. 53913.

In addition to the above rates, a special reduced rate is available to clubs having 20 or more subscriptions per year at a rate of \$4.50 each.

Clubs wishing to participate in Badger State Smoke Signals with a column devoted to their club can receive a lower rate. Mailings must be made to the entire club membership and your club would receive a 15 percent additional complimentary mailings. (There are presently over 100 complimentary and exchange addresses on the mailing list in addition to the present subscribers.)

CLUB RATES: Less than 50 members \$4.80 per year
 Over 50 members \$4.20 per year

Badger State Smoke Signals would be happy to serve your members as the official journal for your club. For information and requirements, please contact Ken Ebner, K9EN, 822 Wauona Trail., Portage, Wisconsin 53901 -- (608) 742-3560

If you are active on the traffic nets and wish to receive Smoke Signals as a WISCONSIN NETS ASSOCIATION BOOSTER please contact WNA Treasurer, Mike Hamman, KA9BHL, Rte. 5, Box 668, Tomahawk, WI 54487 for information on how to become a WNA BOOSTER.

PACKET RADIO enthusiasts are invited to join the Wisconsin Amateur Packet Radio Association (Smoke Signals is a part of your membership). For information contact W.A.P.R., P.O. Box 1215, Fond Du Lac, WI 54953

-----rip here-----

Jim: Enclosed is my check/money order for \$ _____. Please enter/renew

my subscription to Badger State Smoke Signals for _____ years.

Name _____ Call _____

Address _____

City _____ State _____ Zip _____

BADGER STATE SMOKE SIGNALS
Jim Romelfanger, K9ZZ, Editor
(see page two for exchange address)

BULK RATE
U.S. POSTAGE
PAID
PERMIT # 265
PORTAGE WI 53901

return address:
Kenneth A. Ebnetter, K9EN
822 Wauona Trail
Portage, Wisconsin 53901

I am weary of hearing
"Have a good day."
My days are fine;
Pure roses and wine.
This "have a good day"
Sets me up tight
What I need most is
To have a good night!
--Mary Frances Watkins

DATED MATERIAL -- PLEASE DON'T DELAY

FORWARDING AND RETURN POSTAGE GUARANTEED
AND ADDRESS CORRECTION REQUESTED

THIRD CLASS MAIL

WANT AD FORM

Please place the following ad in Badger State Smoke Signals.
Count 39 letters per line, including spaces and punctuation.

Please run this ad for ----- month(s).

Multiply ----- months X ----- lines at

50 cents per line = \$-----.

My payment is enclosed. Please mail this form with your
remittance to Jim Decker, WB9UQT, Keeper of the Funds, P.O. Box
337, Baraboo WI 53913-0337. --Thank you!